

**FORM PTO-1449**  
**U.S. DEPARTMENT OF COMMERCE**  
**PATENT AND TRADEMARK OFFICE**

ATTORNEY DOCKET NO.: 6536-112CIP

APPLICATION SERIAL NO.: N/A

GROUP ART UNIT: ~~N/A~~ 2878

APPLICANT: Thomas W. Stone

EXAMINER: ~~N/A~~ Tony LuFILING DATE: ~~Hamamith~~ 9/29/2003

CONFIRMATION NO.: N/A

**U.S. PATENT DOCKETS**

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS/SUB- CLASS	FILING DATE IF APPROPRIATE
TL	4,148,550*	04/10/79	MacAnally	350/54	
TL	4,168,882*	09/25/79	Hopkins	350/54	
TL	4,612,670*	09/16/86	Henderson	455/607	
TL	5,071,216*	12/10/91	Sullivan	385/34	
TL	5,245,680*	09/14/93	Sauter	385/24	
TL	5,266,794*	11/30/93	Olbright et al.	250/214 LS	
TL	5,291,324*	03/01/94	Hinterlong	359/135	
TL	5,384,874*	01/24/95	Hirai et al.	385/34	
TL	6,253,004 B1*	06/26/01	Lee et al.	385/31	07/09/99

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS/SUB- CLASS	TRANSLATION YES NO

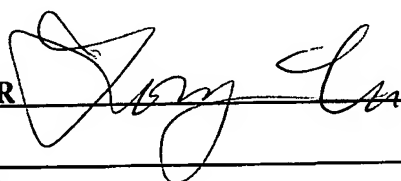
**OTHER DOCUMENTS**

(Including Author, Title, Date, Pertinent Pages, etc.)

TL	Kenjiro Hamanaka "Optical Bus Interconnection System Using Selfoc Lenses", <u>Optics Letters</u> Vol. 16, No. 16; 1222-1224, August 15, 1991.*
TL	Hugo Thienpont, et al. "Free Space Optical Interconnect and Processing Demonstrators With Arrays of Light-Emitting Thyristors", <u>Proceedings of the SPIE</u> , Vol. 3002, 156-167, Conference date 13-14 February, 1997 [probably published several months later].*
TL	Andrew Kirk, et al. "Compact Optical Imaging System for Arrays of Optical Thyristors", <u>Applied Optics</u> 36, No. 14, 3070-3078, May 10, 1997.*
TL	V. Baukens, et al. "An Optical Interconnection System for Arrays of MicroEmitters and Detectors: Combining Printed Microlenses and Large Diameter GRINs", <u>Proceedings of the SPIE</u> , Vol. 3490, 155-158, Conference date (Belgium) 17-20 June, 1998 [probably published several months later].*
TL	Tomasz Maj, et al. "Interconnection of a Two-Dimensional Array of Vertical-Cavity Surface-Emitting Lasers to a Receiver Array by Means of a Fiber Image Guide", <u>Applied Optics</u> Vol. 39, No. 5, 683-689, 10 February 2000.*

TL	Donald M. Chiarulli, et al. "Demonstration of a Multichannel Optical Interconnection by Use of Imaging Fiber Bundles Butt Coupled to Optoelectronic Circuits", <u>Applied Optics</u> Vol. 39, No. 5, 698-703, 10 February 2000.*
TL	Donald M. Chiarulli, et al. "Optoelectronic Multi-Chip Modules Based on Imaging Fiber Bundle Structures", <u>Proceedings of the SPIE</u> , Vol. 4089, 80-85, Conference date 18-23 June, 2000 [probably published several months later].*
TL	Valerie Baukens, et al. "Free Space Optical Interconnection Modules for 2-D Photonic-VLSI Circuitry Based on Microlenses and GRINs", <u>Proceedings of the SPIE</u> , Vol. 4114, 169-181, Conference date 2-3 August, 2000 [probably published several months later].*
TL	Mohammad R. Taghizadeh, et al. "Microoptical Elements and Optoelectronic Devices for Optical Interconnect Applications", <u>Proceedings of the SPIE</u> , Vol. 4455, 119-130, Conference date 29-31 July, 2001 [probably published several months later].*

EXAMINER



DATE CONSIDERED

9/2005